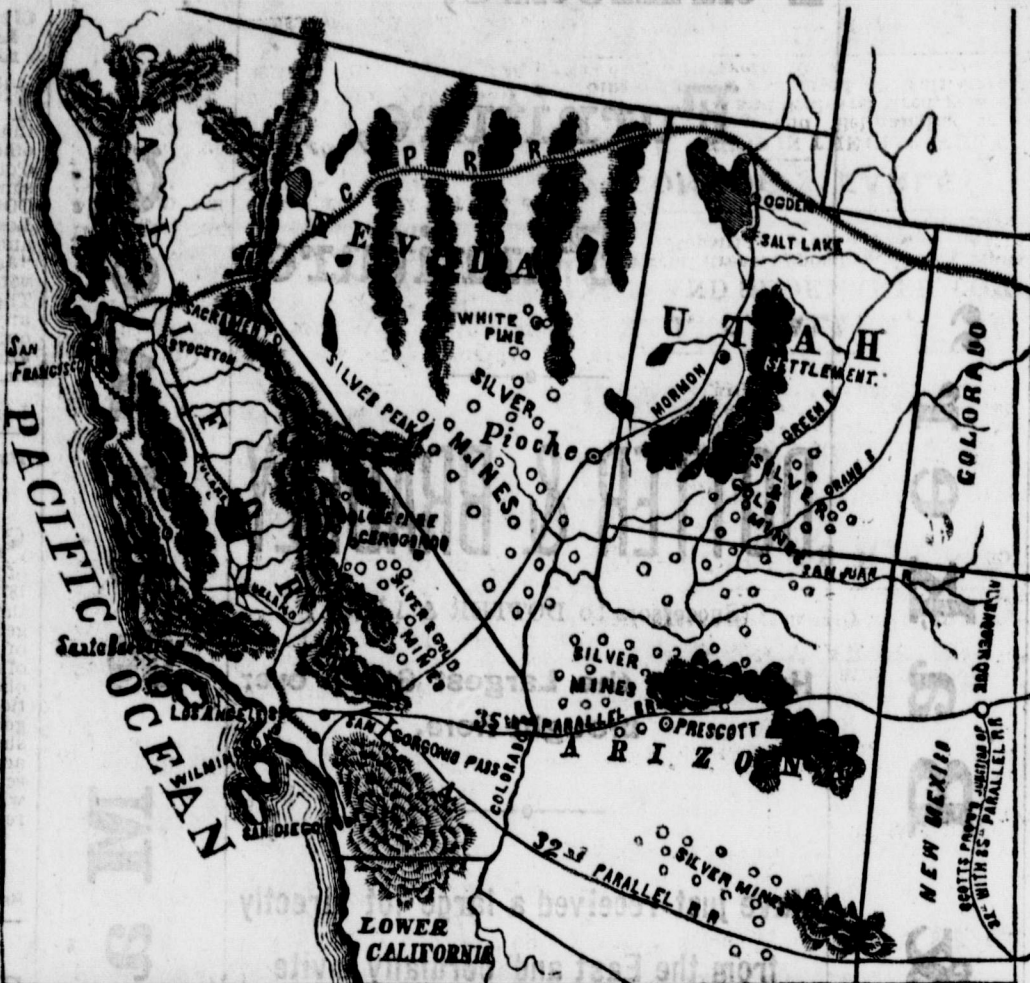


MAP OF OUR BACK COUNTRY.

Map showing the geographical and commercial position of Los Angeles; the system of Trans-Pacific Railroads on the Pacific Coast; the impassable ranges of mountains parallel to the coast north and south of San Geronimo Pass—the only natural pass in the mountains from Lower California to Oregon; showing also the largest and richest mining region in the world tributary to Los Angeles; showing the proposed railroads to the rich mines of Cerro Gordo to Salt Lake; also the thirty-fifth and thirty-second parallel routes and their junction at Albuquerque, as proposed by Col. Scott. The names of the following important places in the country are omitted from the map for want of space: Anaheim, population, 1,500; San Gabriel, 200; El Monte, 100; Spadra, 50; Galatin, 100; Santa Ana, 50; Westminster, 50; Compton, 50; San Fernando, 50; Florence, 50; Tustin City, 50. These are each the nucleus of a rich farming section.



Los Angeles Herald.

COUNTY OFFICIAL PAPER
FRIDAY.....APRIL 17, 1874.

An Interesting Letter.

Orange Culture—How to Irrigate Land.—The Wilcox Pump—Valuable Suggestions to Settlers.

EDITOR HERALD: In your weekly issue of the 11th inst. appears an article headed "Plenty of Land for Orange Trees," which has been copied by the San Francisco Bulletin and other California papers. In this article you state that land suitable for the cultivation of the orange and other tropical fruit with natural irrigating facilities is held at from \$200 to \$300 per acre, but that we have about 300,000 acres of mesa land, with water from eight to twenty feet from the surface equally well adapted to fruit culture and which can be bought at from \$20 to \$30 per acre. In these estimates I think you are correct. You say: buy thirty acres at \$30 per acre, erect windmills and tanks at a cost of from \$1,600 to \$2,000, thereby saving some \$3,000 on a purchase of a thirty acre orange orchard. Now, where is the question comes in. Will say \$2,000 expended on windmills and tanks be sufficient to raise water enough for irrigating 3,000 orange trees?

WE WILL SAY

That we irrigate the trees once a month, from April to October inclusive, each tree requiring about fifty gallons of water at a time, making 150,000 gallons per month for thirty acres of trees. We suppose we have a sufficient supply of water by sinking a well twenty feet deep, it only remains how to raise these 150,000 gallons per month in the shortest time and most economical manner. When I arrived at Los Angeles three years ago, this was the question that suggested itself to me, as I already then came to the conclusion that dry land with water at from ten to twenty feet from the surface was preferable, considering the difference in prices, to land with irrigation right. I examined several windmills, some costing over \$500 with tanks, but found none that would fill a 2,000 gallon tank a day. From these observations I came to the conclusion that windmills were not the thing for extensive irrigation in Southern California, where the wind blows but little and the ground is very dry. I think a good horse-power far preferable to windmills, except for house use and watering flowers, where a windmill performs its duty admirably, adding a fresh supply of water every day. But it is with raising water as with any other kind of work that requires great power: steam is always the cheapest and

MOST EFFECTIVE MOTIVE POWER.

I will now, with your permission, give you a correct estimate of the cost of irrigating thirty acres of orange trees with a Wilcox steam water lifter of a capacity of 10,000 gallons per hour. Such a lifter will cost, put up in Los Angeles in complete running order, about \$750. It will in two days pump water enough for irrigating 3,000 orange trees, no tank being required, as the stream is large enough to irrigate from direct from the pump. Fuel will cost, calculating wood at \$10 per cord, about \$3 for each day's running—if bran or asphaltum is used the cost will be less than half. The entire cost of our season's irrigating being: interest on the price of pump at 1 1/2 per cent per month, \$112 50; fuel fourteen days' pumping, \$42; oil, etc., \$20; total, \$174 50; or about \$6 per acre; such bringing an acre of land with perfect and independent irrigation facilities, to cost indirectly \$70, a saving of \$4,000 on a purchase of thirty acres.

IT REQUIRES

The same number of men to irrigate with the "lifter" as it would from a natural stream. The man who attends to the pump would have to watch the water in the main ditch from breaking through or being stolen, if a public zanja is used. I have not counted the cost of water, which in Los Angeles is about \$2 per day. This machine is so simple that a trustworthy boy can run it. It requires, of course, a large supply of water to furnish 10,000 gallons per hour, but I feel confident that most locations in this country have even a much larger supply. A well could be sunk from six to twelve feet in diameter if the water is near the surface, going down until a sufficient supply is obtained to keep the pump continually running, such forming an underground reservoir. The sinking is performed by suspending the pump from a windlass. Keeping lowering the same, as the work of sinking goes on, until the desired depth is reached, when the pump is made stationary at the bottom of the well. I have a Wilcox lifter of a smaller capacity on my premises four miles northwest of Los Angeles. With it I irrigate several hundred trees and it gives in all respects entire satisfaction, only I should wish it some larger, thereby saving considerable time and much waste of water where the stream has to run

some distance on the dry ground. There may be other steam pumps as good as the Wilcox, but certainly none so cheap in price, so simple in construction, or so cheap and safe to operate as this one.

I WILL STATE

That I am no agent for, nor have I any interest whatever in the success of the Wilcox pump, other than a desire to see our hitherto neglected table lands converted into orchards and grape fields, when they will, with their superior climate, soon become the most desirable localities in the country. There is always more or less trouble connected by irrigating from a stream, in which several parties are interested, whereas if a man has control of his own water he is independent of others and need have no quarrels with his neighbors, as is often the case when, during the Summer months, every body needs more water than his just allowance.

If other parties, who have had experience in raising water to the surface for irrigation, would publish the cost and capacity of their pumps, I think they would do the public a great service. There are some good pumps worked by horse power in the upper part of the State, but I have seen none here worthy of notice.

I OFTEN RECEIVE LETTERS

From the Eastern States and from Europe inquiring about Los Angeles, and one of the first questions generally asked is, "What is the price of land suitable for orange culture?" If I can answer and say, "Such land can be bought for thirty dollars per acre, irrigation done by horse power or steam at a small cost," there will be no objection found with the price; but when unimproved land is held at from one hundred dollars per acre and upwards, the inducements held forth of what an orange tree will produce when ten years old will generally not overcome the first heavy cash outlay.

On our 300,000 acres of mesa land in this county there are 3,000 families, giving to each 100 acres, every inch of which will produce an almost sure crop of barley, rye and other cereals.

A FARMER OF SMALL MEANS

Cannot afford to plant a large orange orchard and wait several years for a return, but every one can plant an acre or two with assorted fruit trees, such as apple, peach, plum, etc., that bear immediately and need no irrigation after the first year if the ground is well cultivated and kept clean of weeds. A dozen orange trees will produce more fruit than a family can consume; add to this some pepper and eucalyptus for ornament and the garden is complete. Buy a Douglass pump which, together with pipe, costs say \$20, make a windmill yourself, the material for which can be bought for \$15 more. If your windmill refuses to do its duty, use handpower and a couple of water buckets, which in an hour's time will water quite a number of trees. But before you expend several hundred dollars on a fancy windmill, buy a small steam pump or a good substantial horsepower. I believe more in things standing on the ground than in those flying in the air.

Yours truly,
J. A. WEID.

April 16, 1874.

Not the Full History.

EDITOR HERALD: It is published in the papers of this city that there has appeared a fine young man in Arabia declaring himself to be the Messiah, pretending to work miracles, etc. This is nothing new. I will give you a few more. It was tried in England, the country of young Harry (the heir of old Harry) about forty years ago. I remember it well. The fellow's name was Courtney; he said he was the crucified Savior, and he created such an excitement the troops were ordered to shoot him down. In the year forty on account of a comet in this country (U. S.), many died through fear, as it was preached that the world was coming to an end. In the District Court-room of this city it was preached that in Boston greater miracles were performed than Jesus Christ performed, and now you have one who lectures that the Bible is false and that it is a humbug. From his continuance it appears to be well supported. This is to be expected where there is corruption. There is no hope on the subject of temperance.

A nod is as good as a wink to a blind horse. This is short and sweet because I know at something else you would be better engaged and more to your liking. You see I am temperate; I write little on the subject, too much would be good for nothing. They are all Golly given but wickedly bent.
W. B. DUNN, M. D.
Los Angeles, April 16, 1874.

"I wouldn't be a cook for the world!" exclaimed a fashionable lady to her betrothed lover. "Of course not," he replied. "If you were to cook for the whole world you would never get through your work; but you will be able to manage it nicely for our little family."

The Stockton Leader, Laura De Force Gordon, editor and proprietor, is to change from a weekly to a daily on the first of next month. Mrs. Gordon is one of the most talented and energetic of mankind, and will run a live paper.

The Hill Improvements.

Water is the all important question in Southern California. Let there be water and everything in the vegetable line springs up and grows with a growth unparalleled in other localities. Orange trees spring up with marvelous rapidity, and the spot becomes a little paradise under the manipulation of industry, wherever water can be had.

The hill lands have been delayed in their sale simply because the arrangements for water were insufficient. The time given for their sale has consequently been extended for two months. A large reservoir capable of containing untold hundreds of thousands of gallons of water is now on its way hither, which will raise 30,000 gallons of water per hour into the reservoir, more than is now consumed by the entire city of Los Angeles. All lots must be sold previous to April 12th, for upon that date those that are left will be disposed of at public auction, by the popular auctioneer, Noyes. They will be sold on the installment plan, at his rooms in the Temple Block on Spring street; the first installment payable on the day of sale.

Fifteen thousand feet of pipe are now being laid in the streets, 800 feet of which are already in the ground, and a million-gallon reservoir is now being made to supply the lots with water.

The City Surveyor has been ordered to divide the grades and lines of Olive, Cherry and Bunker Hill avenues, from Hill to Hope; Second street and Temple street from Hill to Hope. This will bring these lands within easy reach of the business part of the city. The distance to the Court-house is less than it is to the Turner's Hall.

Mr. Beaudry, being the owner by perfect and indisputable title, offers the following scheme believing that it supplies a felt want.

His various tracts have been surveyed, and plotted in lots of convenient size for residences, upwards of two hundred in number, and the maps, together with abstracts of title, are kept for public inspection at his office, opposite the Pico House.

Any person desiring to purchase can inspect the land, select his lot or lots, and acquire the same, if not previously taken up by another, upon the following terms, purchasers not being restricted to a single lot:

The purchaser or his successor to pay the fixed price of the land selected by him in equal monthly installments, as follows: On lots valued at \$400 and upwards, but not to exceed \$500, \$15 per month; on those valued at \$300 and less than \$400, \$10 per month. Payments in gold or currency, and interest demanded. For cash in hand, a reduction of fifteen per cent will be made.

The purchaser to have immediate possession upon payment of the first installment and on execution and delivery of contract.

The right of the purchasers may be assignable to him, and his assigns to succeed to all his privileges and liabilities; standing in all respects towards the vendor as an original obligor.

Purchasers shall not be restricted to the payment of the installments as above shown, but may make payments in advance, and on such payments he will allow one per cent per month, from the date of payment until said payment would become due.

Upon selection of a lot or lots by a purchaser and payment of the first installment with \$5 in U. S. gold coin, as expenses on the documents, Mr. Beaudry, with the purchaser, will execute and acknowledge a sealed agreement embodying the above conditions; and, upon full payment, according thereto, the undersigned will execute and deliver to the purchaser, or his lawful representatives, on demand, a good and sufficient and absolute deed of conveyance of the selected lands, in form of warranty against grant, the grantee paying the cost of such deed.

The location is very desirable. All that has heretofore been lacking is water, and that want is now filled. Anywhere else, in a desirable location, lots readily command from \$500 to \$1,000, and even higher rates. This property is sold at the astonishing low price of from \$300 to \$400. But this is not all. This may be paid in currency and a reduction of fifteen per cent will be made for cash in hand.

Masonic Notice.

Los Angeles Lodge No. 42, F. & A. M.—The stated meetings of this Lodge are on the first Monday of each month at 7:30 p. m. Members of Pentapolis, No. 302, and all Master Masons in good standing are cordially invited. S. C. FOY, W. M. CHAS. SMITH, Secretary.

LOS ANGELES DRUG STORE

LAFAYETTE BLOCK.
DR. L. TERRY'S NEW STORE AND NEW DRUGS, MEDICINES, CHEMICALS, TOILET ARTICLES, PERFUMES, PAINTS, OILS, BRUSHES, AND FANCY ARTICLES.

In short, every article usually found in a drug store.

A Fine Cooking Range for Sale.

THE ABOVE-NAMED RANGE will be very useful in a hotel or boarding house. It is 12 feet by 3 feet, all in good condition, and consumes but little wood. Can be purchased at a reasonable price for cash. For particulars apply at this office, m12-17.

J. C. ALLEN, BOOT AND SHOEMAKER.

Commercial street, opposite Hellman, Haas & Co.'s. Repairing promptly and neatly done. m12-17

O'CONNOR & EARLEY,

THE ONLY SHOP IN THE CITY WHERE Locksmithing and Bellhanging is a specialty. Safes and Scales repaired, general jobbing. All work warranted. 42 Main street, next door to Lafayette Hotel. ap12-17

GOLD AND COLORS—

Printing a specialty at the Herald.

CITY OF PARIS!

51 and 53 Main St.,

LOS ANGELES.

Just Received:

LARGE ASSORTMENT

LADIES'

WALKING

SUITS.

WHICH WE WILL SELL

THE LOW PRICE

\$5.00.

STRIPED GRENADINES

Per yard. 15 cts. Per yard.

AT REDUCED PRICES

25 Pieces Assorted BLACK SILKS, at

from \$1 25 to \$5 per yard.

ALSO,

AN ENTIRE INVOICE

NEW STYLE SPRING GOODS,

Just received from the East and Europe, which we offer at

EXTREMELY LOW FIGURES.

EUGENE MEYER & CO.,

Successors to S. Lazard & Co.

HARPER & LONG,

WHOLESALE AND RETAIL DEALERS IN

Tin, Sheet Iron and Copper Ware,
FORCE AND LIFT PUMPS,
COOKING AND HEATING STOVES.

HARPER & LONG KEEP THE LARGEST STOCK IN LOS ANGELES OF THE MOST VARIED GOODS

EVERY KIND OF

Household Furniture,
Kitchen Furniture,
Agricultural Implements.

PLUMBING, ROOFING GAS FITTING AND JOBBING OF ALL KINDS PROMPTLY AND NEATLY EXECUTED AT LOW RATES.

Remember the Address:

HARPER & LONG,

NO. 1 MAIN STREET, (Downey's Block) LOS ANGELES.

GREAT REDUCTION

LUMBER

J. G. JACKSON,

Corner of Alameda and First Streets,

— SELLS —

Rough Oregon and Redwood at \$32 50 per M feet.
Surfaced and Tongued and Grooved Oregon ... 42 50 "
Surfaced and Tongued and Grooved Redwood ... 42 50 "

— ALSO, —

DOORS, WINDOWS, BLINDS, POSTS, SHINGLES, LATHS,
Redwood Shakes, Plaster Paris, Cement and Hair.

W. W. ROBINSON, Agent.

GRIFFITH, LYNCH & CO.,

LUMBER DEALERS.

Corner of Alameda and First Streets.

— DEALERS IN —

MERCHANTABLE LUMBER at \$32 50 per M feet
SURFACED LUMBER at 42 50 "
FLOORING at 42 50 "

AND CONSTANTLY KEEP ON HAND

Doors, Windows, Blinds, Posts, Shingles,
LATHS, SHAKES, HAIR,

PLASTER PARIS' ETC. ETC.

FORWARDING & COMMISSION.

HELLMAN, HAAS & CO.,
Forwarding & Commission
MERCHANTS.
HAVE FOR SALE
THE PUREST GROCERIES,
THE BEST PROVISIONS,
Liquors, Cigars and Tobacco

Of the choicest Imported Brands.
PAINTS, OILS, DOORS AND SHAKES,
BLINDS, FARMING IMPLEMENTS.
14 and 16 Los Angeles and Commercial Sts.,
LOS ANGELES. m12-17

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General Commission Merchants,
320 Davis Street, San Francisco.

CONSIGNMENTS SOLICITED
from Farmers, Grocers, and Dealers in Grain,
Fruit, Wool, Dried Products, Eggs, Hides, etc.

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Sales Quick.
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Hides, Grain and Wool.

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COMMISSION HOUSE

Is the Exclusive Commission House to go to for Everything You Want. m12-17

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LESSONS on the Piano, Guitar and Organ,
\$4.00 Per Month.

PIANO TUNING, \$3,
If within the city limits. Charges for country moderate.

All mechanical work guaranteed.
Leave orders at Art and Music Rooms, No. 65 Downey Block, or at Simmons' Candy Store, 601 1/2.

Notice to Pay Up.
As I INTEND TO VISIT EUROPE early in May, parties owing me are requested to call and settle up accounts during the early part of April.

V. WOLFENSTEIN.

Montana Meat Market.

FREILINGER & FRANK.

The best and tenderest Meats in the market. None but the Primest Beef and Mutton ever to be found. Note the address—Montana Meat Market, Main Street, near First, Los Angeles.

THE HERALD

JOB

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SPRING STREET,

OPPOSITE THE COURT HOUSE,

LOS ANGELES.

THE attention of the business community of Los Angeles city and county is invited to the facilities of this office for executing every description of

BOOK & JOB PRINTING

Fully alive to the inferior manner in which a great part of the Job Printing in Southern California has hitherto been executed, the proprietors of this establishment have determined to institute a new order of things in this business.

A NEW POWER PRESS,

(the first to reach this far south on the Pacific Coast), capable of printing a

LARGE SHEET POSTER,

either plain or in colors, is already running, and driven by

STEAM POWER,

which is also attached to their new and ELEGANT

Job Presses.

The facilities for turning out work will thus be equal to most and superior to many office in San Francisco.

A SPLENDID ASSORTMENT

OF

NEW TYPE

AND MATERIAL,

of the most modern designs and approved Eastern manufacture, has been selected. And it is intended so to equip and furnish this department with

THE BEST PRESSES,

AND THE

MOST MODERN APPLIANCES,

AS TO MAKE THE

HERALD JOB OFFICE

THE MOST COMPLETE

IN SOUTHERN CALIFORNIA.

They have engaged as foreman of this department, one of the most experienced Book and Job Printers in the country; and the presses will be superintended by a skilled Pressman from one of the largest offices in New England.

PAMPHLETS

Will be printed from New Type, and the greatest care exercised to insure accuracy and freedom from typographical errors.

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Plain or in colors, executed at very short notice and displayed in the best manner.

BUSINESS CARDS,

CIRCULARS,

STATEMENTS, BILL HEADS,

LETTER HEADS,

WEDDING CARDS, VISITING CARDS,

INVITATIONS, ETC.

Of this class of work we shall make a specialty, and intend that nothing of the kind shall equal us in this section.

BANK CHECKS,

DRAFTS, NOTES,

DEPOSIT CHECKS

BOOK HEADINGS,
STOCK CERTIFICATES

ETC.

Printed in a superior manner, on plain writing paper, or on Bond and Bank Note Paper in black or colors.

15 GOLD AND COLORS.

We shall pay particular attention to

BRIEFS, TRANSCRIPTS,

ABSTRACTS, ETC.,

Which will be printed in the Old Style Type now so universally in favor, and which we have procured especially for this class of work. We shall also be provided for the printing of

LEGAL BLANKS,

OFFICIAL FORMS

AND DOCUMENTS.

CATALOGUES, PROGRAMMES,

BILLS OF FARE,

TICKETS, LABELS, TAGS,

AND EVERY VARIETY OF

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HERALD

Job Printing House.